

# Conspec Feather Patch

## Description

*Conspec Feather Patch is a single component, cement based, polymer modified patching and repair product for concrete floors, walls, precast, tilt-up panels, masonry & stucco. Conspec Feather Patch can be applied from feather-edge to 1 inch(2.5 cm) per lift. Feather Patch can be used for horizontal, vertical and overhead surfaces.*

## Manufacturer

Conspec  
636 S. 66th Terrace  
Kansas City, Kansas 66111  
**Customer Service** (800) 348-7351  
**Technical Service** (877) CONSPEC

## Use

Feather Patch is specially formulated for horizontal, vertical and overhead patching and concrete repairs of cracks, spalls, bugholes, and shallow honey-combs. It can be trowel applied to smooth or textured surface of concrete blocks.

Typical applications are:

- Floors
- Sidewalks
- Walls
- Pipes
- Manholes
- Steps
- Curbs
- Precast
- Foundations
- Structures

## Benefits

- Can be featheredged
- One-component; just add water
- Can be used inside or outside
- Self-curing; does not require curing
- Can be shaped
- High compressive, flexural, tensile and bond strengths.
- Does not contain calcium chloride
- Superior performance from true feather edge to 1" in thickness

## Architectural Specifications

*Patching Material:* All concrete and masonry repairs shall be performed with Conspec Feather Patch as Manufactured by Conspec, Kansas City, Kansas. Patching material shall be mixed and installed in strict accordance with the manufacturer's written recommendations and directions. Technical service shall be made available by the Manufacturer upon request. Approved product: Conspec Feather Patch or approved equivalent.

## Application

*Surface Preparation:* The concrete must be sound and free of all foreign material including oil, grease, dust, laitance, or other surface contaminants. Unsound concrete must be removed. Dampen surface to be repaired with

clean water. Use a mix of Feather Patch scrubbed into the surface as a bond coat. This coat should not be allowed to dry prior to the application of the repair mortar.

*Mixing:* Mix 6-7 pints (2.8-3.3 L) of water per 50 lbs. (22.7 kg) bag of material. Mix with a low speed drill. Add recommended amount of clean water into the container followed by the Feather Patch. Mix 2 to 3 minutes. Mix only what can be applied within the setting period.

*\*Note:* Feather Patch may be used with Conspec Strong Bond neat or mixed 1 to 1 with water per 50 lbs. (22.7 kg) of powder to increase durability, abrasion resistance and bond strength.

*Application:* Trowel Feather Patch onto the prepared surface. Should multiple lifts be required, scratch and reprime with Feather Patch prior to subsequent 1" (2.54 cm) per lift. Initial layer should be allowed to set prior to scratch and reprime. (6-7 pints (2.8-3.3 L) per 50 lb. (22.7 kg) bag) water/powder 1:7 by weight. This can be varied to produce a stiff or plastic consistency. When placing with a trowel, force

## TEST DATA AT 75°F (41.2°C)

**Mix Ratio (Water to powder): 1:7(6-7 pints(2.8-3.3L) 50 lb (22.7 kg) bag)**

### Compressive Strength

### ASTM C-109

7 days	4800 psi
28 days	6100 psi
Yield	0.45 ft <sup>3</sup>

Feather Patch with pressure into the crack or the spalled area.

*Curing:* Feather Patch is self-curing under most conditions. To assure maximum durability under severe drying conditions (high wind and temperature, low humidity), moist cure or use an approved ASTM C-309 Conspec curing compound.

## Packaging

50 lb. triple lined bag (22.7 kg)

50 lb. pail (5 gal. pail) (22.7 kg)

## Limitations/Precautions

Do not place at temperatures below 40°F(5°C) or if the temperature is expected to drop below 40° F(5°C) in the next twenty-four hour period. In hot weather, follow ACI Committee 305 recommended procedures.

Do not apply over hard troweled or tightly finish floor without first scarifying the floor.

Contains Portland Cement and sand. Cement will cause irritation. Avoid contact. Use of a dust respirator, safety goggles and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. DO NOT wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

## Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

### Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use,

damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

## Receiving

All bagged products should be checked for dryness prior to signing the shipping papers.

## Storage

Conspec Feather Patch should be stored in a cool, dry interior area. At no time should material be exposed to high moisture, rain or snow conditions.

## Technical Services

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

## Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.